Rec'd PCT/PTO 0 5 JAN 2005

COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY

(includes Reference to I	PCT Inte	ernational A	Applications)
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Acres 11 years

ATTORNEY'S DOCKET NUMBER

PHNL020662 US

s a below named inventor, I he	reby declare that:		
My residence, post office addre	ess and citizenship are as state	ed next to my name.	
plural names are listed below)	of the subject matter which is	name is listed below) or an original, claimed and for which a patent is so oxide" the specification of which (ought on the invention
is attached hereto.			
	pplication		
Serial No			•
on			
and was amended			
on			
igtigtigtigtigtigtigtigtigtigt	nal application		
Number PCT/IB2003/002980			
On 02 July 2003			
and was amended under PCT	Article 19		
on			(if applicable).
I hereby state that I have review claims, as amended by any am		nts of the above-identified specifica	tion, including the
I acknowledge the duty to discl Title 37, Code of Federal Regu		rial to the examination of this applica	ation in accordance with
or inventor's certificate or of an States of America listed below any PCT international application	y PCT international application and have identified below any on(s) designating at least one	States Code, § 119 of any foreign and (s) designating at least one country foreign application(s) for patent or it country other than the United State the application(s) of which priority is	y other than the United inventor's certificate or s of America filed by me
PRIOR FOREIGN/PCT APPLIC	CATION(S) AND ANY PRIORI	TY CLAIMS UNDER 35 U.S.C. 119):
COUNTRY	APPLICATION NUMBER	DATE OF FILING DAY, MONTH, YEAR	PRIORITY CLAIMED UNDER 35 USC 119
Europe	02077784.3	10 July 2002	YES

Combined Declaration For Patent Application and Power of Attorney (Continued)	Attorneys Docket Number
(includes Reference to PCT International Applications)	PHNL020662 US

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (List name and registration number)

Jack E. Haken, Reg. No. 26,902 Michael E. Marion, Reg. No. 32,266 Edward M. Blocker, Reg. No. 30,245 Direct Telephone Calls to: (name and telephone number) (914)332-0222

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100	FULL NAME OF INVENTOR	FAMILY NAME VAN BRUGGEN	FIRST GIVEN NAME Michel	SECOND GIVEN NAME Paul Barbara
201	RESIDENCE & CITIZENSHIP	CITY Eindhoven	STATE OR FOREIGN COUNTRY The Netherlands 从人	COUNTRY OF CITIZENSHIP The Netherlands
	POST OFFICE ADDRESS	POST OFFICE ADDRESS Prof. Holstlaan 6	5656 AA Eindhoven	STATE & ZIP CODE/COUNTRY The Netherlands
	FULL NAME OF INVENTOR	FAMILY NAME APETZ	FIRST GIVEN NAME ROIF	SECOND GIVEN NAME Theo Anton
202	RESIDENCE & CITIZENSHIP	CITY Aachen	STATE OR FOREIGN COUNTRY Germany	COUNTRY OF CITIZENSHIP Germany
	POST OFFICE ADDRESS	POST OFFICE ADDRESS Mauerstrasse 73	D-52064 Aachen	STATE & ZIP CODE/COUNTRY Germany
30D	FULL NAME OF INVENTOR	KOP	FIRST GIVEN NAME Theo	SECOND GIVEN NAME Arnold
203	RESIDENCE & CITIZENSHIP	CITY Eindhoven	STATE OR FOREIGN COUNTRY The Netherlands **MULX**	COUNTRY OF CITIZENSHIP The Netherlands
	POST OFFICE ADDRESS	POST OFFICE ADDRESS Prof. Holstlaan 6	5656 AA Eindhoven	STATE & ZIP CODE/COUNTRY The Netherlands
	FULL NAME OF INVENTOR	FAMILY NAME KRELL	FIRST GIVEN NAME Andreas	SECOND GIVEN NAME
204	RESIDENCE & CITIZENSHIP	CITY EindhovenDresden	STATE OR FOREIGN COUNTRY Germany	Germany
	POST OFFICE ADDRESS	POST OFFICE ADDRESS Altkaitz 7	D-01217 Dresden	STATE & ZIP CODE/COUNTRY Germany
	FULL NAME OF INVENTOR	FAMILY NAME HUTZLER	FIRST GIVEN NAME Thomas	SECOND GIVEN NAME
205	RESIDENCE & CITIZENSHIP	Dresden	STATE OR FOREIGN COUNTRY Germany	COUNTRY OF CITIZENSHIP Germany
	POST OFFICE ADDRESS	POST OFFICE ADDRESS Burgkstrasse 19	D-01159 Dresden	STATE & ZIP CODE/COUNTRY Germany

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true: and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 if Title 18 of the United states Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201	SIGNATURE OF INVENTOR 202	SIGNATURE OF INVENTOR 203
DATE 05 February 2004	DATE	DATE 05 February 2004
SIGNATURE OF INVENTOR 204	SIGNATURE OF INVENTOR 205	
DATE	DATE	

U.S. DEPARTMENT OF COMMERCE- Patent and Trademarks Office

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COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF (includes Reference to PCT International cations)	ATTORNEY'S DOCKET NUMBER PHNL020662 US
s a below named inventor, I hereby declare that:	
My residence, post office address and citizenship are as stated next to my name.	
I believe I am the original, first and sole inventor (if only one name is listed below) or an original plural names are listed below) of the subject matter which is claimed and for which a patent is entitled: "Transparent polycrystalline aluminium oxide" the specification of whoselow):	s sought on the invention
is attached hereto.	
was filed as United States application	
Serial No	
on	
and was amended	
on	
was filed as PCT international application	
Number PCT/IB2003/002980	
On 02 July 2003	
and was amended under PCT Article 19	
on	(if applicable).
I hereby state that I have reviewed and understand the contents of the above-identified spec claims, as amended by any amendment referred to above.	ification, including the
I acknowledge the duty to disclose information which is material to the examination of this ap Title 37, Code of Federal Regulations, § 1.56.	plication in accordance with
I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign or inventor's certificate or of any PCT international application(s) designating at least one could	gn application(s) for patent untry other than the United

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

PRIOR FOREIGN/PCT APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. 119:

COUNTRY	APPLICATION NUMBER	DATE OF FILING DAY, MONTH, YEAR	PRIORITY CLAIMED UNDER 35 USC 119
Europe	02077784.3	10 July 2002	YES
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U.S. DEPARTMENT OF COMMERCE –Patent and Trademarks Office (July 1994)

(includ	es Reference to PC	n For Patent Application and P T International Applications)			Attorneys Docket Number PHNL020662 US	
POW all bus	ER OF ATTORNE iness in the Patent	Y: As a named inventor, I hereby app and Trademark Office connected there	oint the following attorney(s) and/orwith. (List name and registration numbers)	agent(s) to prose mber)	ecute this application and transact	
Micha	E. Haken, Reg. ael E. Marion, R ard M. Blocker, I			Direct Telephone (name and teleph (914)332-022	none number)	
	FULL NAME OF FAMILY NAME INVENTOR VAN BRUGGEN FIRST GIVEN NA Michel		FIRST GIVEN NAME Michel	-	SECOND GIVEN NAME Paul Barbara	
201	RESIDENCE & CITIZENSHIP	CITY Eindhoven	STATE OR FOREIGN COUN The Netherlands	7	COUNTRY OF CITIZENSHIP The Netherlands	
	POST OFFICE ADDRESS	POST OFFICE ADDRESS Prof. Holstlaan 6	5656 AA Eindhove	n 7	STATE & ZIP CODE/COUNTRY The Netherlands	
200	FULL NAME OF INVENTOR	FAMILY NAME APETZ	FIRST GIVEN NAME _Rolf		FLOOR GIVEN NAME Theo Anton	
202	RESIDENCE & CITIZENSHIP	CITY Aachen	STATE OR FOREIGN COUN		COUNTRY OF CITIZENSHIP Sermany	
	POST OFFICE ADDRESS	POST OFFICE ADDRESS Mauerstrasse 73	D-52064 Aachen		STATE & ZIP CODE/COUNTRY Germany	
	FULL NAME OF INVENTOR	FAMILY NAME KOP	FIRST GIVEN NAME Theo		SECOND GIVEN NAME Arnold	
203	RESIDENCE & CITIZENSHIP	CITY Eindhoven	STATE OR FOREIGN COUNTRY The Netherlands		COUNTRY OF CITIZENSHIP The Netherlands	
	POST OFFICE ADDRESS	POST OFFICE ADDRESS Prof. Holstlaan 6	5656 AA Eindhove	n 1	STATE & ZIP CODE/COUNTRY The Netherlands	
	FULL NAME OF INVENTOR	FAMILY NAME KRELL	FIRST GIVEN NAME Andreas		SECOND GIVEN NAME	
204	RESIDENCE & CITIZENSHIP	CITY EindhovenDresden	STATE OR FOREIGN COUN Germany		COUNTRY OF CITIZENSHIP Germany	
	POST OFFICE ADDRESS	POST OFFICE ADDRESS Altkaitz 7	1		STATE & ZIP CODE/COUNTRY Germany	
	FULL NAME OF INVENTOR	FAMILY NAME HUTZLER	FIRST GIVEN NAME Thomas		SECOND GIVEN NAME	
205	RESIDENCE & CITIZENSHIP	Dresden	STATE OR FOREIGN COUN Germany		COUNTRY OF CITIZENSHIP Germany	
	POST OFFICE ADDRESS	POST OFFICE ADDRESS Burgkstrasse 19	D-01159 Dresden	l l	STATE & ZIP CODE/COUNTRY Germany	

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true: and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 if Title 18 of the United states Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201	SIGNATURE OF INVENTOR 202	SIGNATURE OF INVENTOR 203
	10/100	
DATE	17 February 2004	DATE
SIGNATURE OF INVENTOR 204	SIGNATURE OF INVENTOR 205	
SIGNATURE OF INVENTOR 204	SIGNATURE OF INVENTOR 205	
	SIGNATURE OF INVENTOR 205	
	SIGNATURE OF INVENTOR 205 DATE	

U.S. DEPARTMENT OF COMMERCE- Patent and Trademarks Office

ARATION FOR PATENT APPLICATION AND POWER OF	DRNEY	ATTORNEY'S DOCKET
CT Internation ications)		NUMBER
,		PHNL020662 US

s a below named inventor, I he	reby declare that:		
My residence, post office addre	ess and citizenship are as stat	ed next to my name.	
plural names are listed below)	of the subject matter which is	name is listed below) or an original, fil claimed and for which a patent is sou oxide" the specification of which (c	ght on the invention
is attached hereto.			
was filed as United States a	pplication		
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	nal application		
Number PCT/IB2003/002980			
On 02 July 2003			
and was amended under PCT.	Article 10		
and was amended under PCT.	Article 19		
on			(if applicable).
I hereby state that I have review claims, as amended by any am		nts of the above-identified specification	on, including the
I acknowledge the duty to discl Title 37, Code of Federal Regu		rial to the examination of this applicat	ion in accordance with
or inventor's certificate or of an States of America listed below any PCT international application	y PCT international application and have identified below any on(s) designating at least one	States Code, § 119 of any foreign app n(s) designating at least one country of foreign application(s) for patent or in- country other than the United States the application(s) of which priority is	other than the United ventor's certificate or of America filed by me
PRIOR FOREIGN/PCT APPLIC	CATION(S) AND ANY PRIORI	TY CLAIMS UNDER 35 U.S.C. 119:	
COUNTRY	APPLICATION NUMBER	DATE OF FILING	PRIORITY
		DAY, MONTH, YEAR	CLAIMED UNDER 35 USC 119
Europe	02077784.3	10 July 2002	YES
	11.0	DEDARTMENT OF COMMERCE 2-4-4	and Tradescale Office

U.S. DEPARTMENT OF COMMERCE -Patent and Trademarks Office (July 1994)

(includ	Combined Declaration For Patent Application and Power of Attorney (Continued) (includes Reference to PCT International Applications) Attorneys Docket Number PHNL020662 US						
POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (List name and registration number)							
Jack E. Haken, Reg. No. 26,902 Michael E. Marion, Reg. No. 32,266 Edward M. Blocker, Reg. No. 30,245						Direct Telephone Calls to: (name and telephone number) (914)332-0222	
		FAMILY NAME VAN BRUGGE	EN .	FIRST GIVEN N Michel	FIRST GIVEN NAME Michel		SECOND GIVEN NAME Paul Barbara
201	RESIDENCE & CITIZENSHIP	CITY Eindhoven		STATE OR FOR The Nethe		ITRY	COUNTRY OF CITIZENSHIP The Netherlands
	POST OFFICE ADDRESS	POST OFFICE ADDR Prof. Hoistlaa		5656 AA E		n	STATE & ZIP CODE/COUNTRY The Netherlands
	FULL NAME OF INVENTOR RESIDENCE &	APETZ CITY		FIRST GIVEN N ROIF STATE OR FOR		ITDV	SECOND GIVEN NAME Theo Anton COUNTRY OF CITIZENSHIP
202	CITIZENSHIP	Aachen POST OFFICE ADDR	500	Germany	EIGN COUN	NIKT	Germany 🛅
	POST OFFICE ADDRESS	Mauerstrasse		D-52064 A			STATE & ZIP CODE/COUNTRY Germany
	FULL NAME OF INVENTOR	KOP	-	Theo			SECOND GIVEN NAME Arnold
203	RESIDENCE & CITIZENSHIP	CITY Eindhoven		STATE OR FOREIGN COUNTRY The Netherlands CITY 5656 AA Eindhoven		ITRY	COUNTRY OF CITIZENSHIP The Netherlands
	POST OFFICE ADDRESS	POST OFFICE ADDR Prof. Holstlaa				n	STATE & ZIP CODE/COUNTRY The Netherlands
ס	FULL NAME OF INVENTOR	FAMILY NAME KRELL		FIRST GIVEN NA Andreas			SECOND GIVEN NAME
204	RESIDENCE & CITIZENSHIP	EindhovenDresden POST OFFICE ADDRESS		Germany CITY			Germany
	POST OFFICE ADDRESS FULL NAME OF	Altkaitz 7 FAMILY NAME	=55	D-01217 DE			Germany SECOND GIVEN NAME
O 205	INVENTOR RESIDENCE &	HUTZLER		Thomas STATE OR FOR		ITRY	COUNTRY OF CITIZENSHIP
203	CITIZENSHIP POST OFFICE	Dresden POST OFFICE ADDR	ESS	Germany			Germany STATE & ZIP CODE/COUNTRY
	ADDRESS	Burgkstrasse		D-01159 D	resden		Germany
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true: and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 if Title 18 of the United states Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.							
SIGNATURE OF INVENTOR 201 SIGNA		SIGNATURE OF	URE OF INVENTOR 202 SIGNA		SIGNAT	URE OF INVENTOR 203	
DATE DATE		DATE	DATE		DATE		
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DATE		O. Mille	DATE	Ki. GK	30/		
	23 February 2	1004		February 2004	4		

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POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereb	y appoint:						
X Pra	actitioners associated with the Customer Number:		24737				
OR							
Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):							
	Name		Registration Number				
<u> </u>							
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as attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(b).							
Ssigne	Name and Address:					· · · · · · · · · · · · · · · · · · ·	
Kon	ninklijke Philips Electronics	NT 77					
Gro	enewoudseweg 1						
5621 BA Eindhoven, The Netherlands							
						·	
	of this form, together with a statement up to be filed in each application in which	I THIS TAP	m ie lieda T	ha atatama	-4	OPD A TAILS	
may be t	completed by one of the practitioners a	ppointe	l in this form	if the anno	inted process	laman la	
CUICIL	ed to act on behalf of the assignee, and	d must ic	lentify the ap	plication in	which this	Power of	
	SIGNATUR The individual whose signature and title is s	RE of Assign	nee of Record	to act on beha	If of the assigne		
lame	Matthieu van Kaan					· ·	
ignature	hayan	·		Date	12.11	a bash	
itle	Authorized Representative			Telephone	/4/will. (914) 333-	9600	
nis collection	n of information is required by 37 054 1.31 and 1.33. The	Information I	required to obtain	or retain a benef	t by the public whi		

USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

JT12 Rec'd POT/PTO 0 5 JAN 2005



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STATEMENT UNDER 37 CFR 3.73(b)							
Applicant/Patent Owner: Koninklijke Philips Electronics N.V.							
Application No./Patent No.: Concurrently	Filed/Issue Date: Concurrently						
Entitled: TRANSPARENT POLYCRYSTALLINE ALUMI	INIUM OXIDE						
Koninklijke Philips Electronics N.V. (Name of Assignee)	, a <u>corporation</u> (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)						
states that it is: 1.	st; or						
2. ☐ an assignee of less than the entire right, title and interest. The extent (by percentage) of its ownership interest is% in the patent application/patent identified above by virtue of either:							
A. [] An assignment from the inventor(s) of the pater in the United States Patent and Trademark Offic attached.	ent application/patent identified above. The assignment was recorded ce at Reel, Frame, or for which a copy thereof is						
OR							
B. [] A chain of title from the inventor(s), of the paten below:	nt application/patent identified above, to the current assignee as shown						
The document was recorded in the Unite	To: ed States Patent and Trademark Office at, or for which a copy thereof is attached.						
From: The document was recorded in the Unite	То:						
	ed States Patent and Trademark Office at, or for which a copy thereof is attached.						
The document was recorded in the Unite	To: ed States Patent and Trademark Office at, or for which a copy thereof is attached.						
[] Additional documents in the chain of title							
[] Copies of assignments or other documents in the [NOTE: A separate copy (i.e., the original assignment be submitted to Assignment Division in accordance of the USPTO. See MPER	ment document or a true copy of the original document) ordance with 37 CFR Part 3, if the assignment is to be						
The undersigned (whose title is supplied below) is aut	_						
Date	Frank Keegan, Reg. 50,145						
(914) 333-9669	Typed or pripted name Could Describe the second se						
Telephone number	Signature						
	Corporate Counsel Title						

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.